

ABSTRACT

There is provided a magnetic sensor switch in which its magnetic sensor is responsive to approach of a magnet to turn its electrical switch on or off. A cylindrical magnetic sensor having magnetic poles contrary to each other at opposite ends thereof is mounted for rotation in clockwise and counter-clockwise directions. An auxiliary magnet is movably mounted on a longitudinal extension line of the magnetic sensor when the magnetic sensor is in the horizontal position so that the auxiliary magnet provides an attracting force and a repulsive force to the magnetic sensor to rotate it in one direction. The movement of the magnetic sensor is transmitted to a movable contact piece through a driving member to rotate the movable contact piece in one direction depending upon the rotation of the magnetic sensor. The movable contact piece is provided with a pair of contact blades one of which is contacted with one of a pair of fixed contact pieces disposed in opposition to the corresponding contact blades. First and second magnetic members are located at predetermined positions away from the two magnetic poles of the magnetic switch in order to enhance the instantaneous snap action when the magnetic sensor rotates.

10057602-041702